## Installation Instructions For "B" Series

## CHAMBERS GAS RANGES

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DELIVERY TO UNEXE: To remove the craim, the spiritum shade however of just showed the craim believes, the settle craim believes the results of the below. In the craim, with the amendment of the below, can there be the craim of the craim of

Pince the range on pair of small treatice and remove the exists betterm by inking out the longer entst belief lag if, then throw these holts swar. Fince the lock rank on the ing bolts, (then occur the bolts Inte the tapped to the lock of the lock of the lock of the lock pair bettern logic were removed. Referre attaching the hear and after the range in in position in the home, level the range by adjustment of these belts. Be earn the lock bettern lock are the lock are the lock of the lock of the bolts are in placed.

The has puckage located in the front of the regards continued the canadist canadist. The has almost the secretary between the canadist can

SILVESILTE BACK: The Silverlite back when unpecked in assembled complete, redef to be installed on the reage. Attaching parts necessary will also be found its the container. The supporting practicals are botted to the back of the range by the twe upper bolts on each edd which also bald the body back in place. These must first be reserved, then replaced through both the Silverlite back may be able to the contained by the contained the silverlite back may be able to the contained by the silverlite back may be able to the contained by the silverlite back may be able to the contained by the silverlite back and the silverlite back the silverlite back and the silverlite back the silv

Four bells with spacers attach the upper body back and enameled Silverlite back spissher to the cast iron cooking top. These are just in piace through four heles across the bottom of the false back, the spaners setting as guides to keep the bolts in position until they are tightened.

Before the 14-BFW Silverlite Back can be installed, the porceint top will or halmstrade must be removed, also the invested back shield which is best removed, four boils with square washers. After the back assembly has been boiled to the range as discribed above for the regular directite Back, replace the insulated back which and beturneds.

STANDAHD BACK: This back is botted on by four boils through the back brackets into four tapped home in the body back. It is complete, ready for assembly when removed from the carton. A small set screw is provided on each bracket for adjustment so that the back is in alignment with the range.

GAS HOOK-TP. It is recommended that he book-up is under he mine flexible thinks with proper on sections and fittings. (Frietri, Or the 15-19-W model as contained and the section of the content of the range; thus, standed gas pipe may be used in the brokup outside the mage to the point where it content the hadup outside the mage to the point where it content the hadup outside the mage to the point where it content the hadup outside the mage to the point where it content the painting to the proper of the point of the property of the right end of the range, which is to the right of a person change the range in freat. The above measurements are

Before the gas has been turned into the range, he sure that both the top pilot and Thermowell pilot gas cocks in the manifold are shul off.

OVER BUBBLES. PILOT, AND THERMHOSTAY AD-INFORMANT'S the the thermostate at 504°, term gas on HATTMENT AND THE CONTROL OF THE CONTROL OF HATTMENT AND THE CONTROL OF THE CONTROL OF INFORMATION AND THE CONTROL OF THE CONTROL INFORMATION AND THE CONTROL OF THE CONTROL OF THE PARTICLE OF THE CONTROL OF THE CO

Turn the thermostat dial back to 70° and adjust the hy-pass by turning the filmul lever on the loft hand side of the thermostat inside the cabinet door opening, such the fanne at each port is appreximately 5° in height; of just except that the farms will not go not when the www door to opened and closed in a normal manner. To calibrate the oven place a reliable thermometer the center of the oven and set the dial at 400°. Take first reading at the end of twenty minutes, and additions first reading at the end of Eventy minutes, and modifices readings at Fewnity-few and thirty minutes from time of lighting. If the three readings correspond, the oven is in calibration. If, however, the temperature reading is more than 25° from the dial setting, earduly loosen the sat screw in the undermeath side of the dial handle and pull the dial straight off the shaft. Replace it at the correct temperature setting, being careful not to move the ther-montal shaft while the change is being made and tighten

BROILER BURNER ADJUSTMENT: Ramove the back burner drip ring and adjust the flow of gas and air by the orifice cap and mixer shutter, respectively, as with the oven burnor. A %" blue firms should be obtained. After the air adjustment is completed, be sure to lock the shotter in position by the screw provided.

THERMOWELL BURNER AND PILOT ADJUSTMENT: Adjust the Thermowell pilot fame to approximately %" in height by the petoork in the manifold. Adjust the burner by the orifice cap and disk air whether in the throat of the horse until a %" soft blue cone fame is obtained. The thumb not on the primary air adjustment boil must be locked securely after the adjustment is made.

TOP BURNER ADJUSTMENT: Adjust the top pilot form by the petcock in the manifold until a 'is' fame is obtained. Be sure that the flash tubes are firmly in place in the burners. Adjust each top burner by the orifice cap is secured at each port, being careful that the thumb nut is m secured as each port, being caream than the themb but is locked after the proper primary air adjustment has been made. (Should difficulty be experienced with fluctuation of pilot light it might be exused by stooms hebricant in pilot peirock and can be eliminated by heating (with small Same or match) the petrock so as to free the flow of gas in the valve.)

For the convenience of those having a moter at their disposal, the following BTU ratings should be secured by adjustment of each of the burners listed:

Thermowell burner Top burners roller burnes Oven burner

CHRCK TUBING: When installation has been pietod, all tubing should be checked for leaks at joints.

Any leak found can be corrected by tightening the joint. PLUE COLLAR: When specified for chimney connection, a fine collar is packed in the Thermowell which can be installed on the body back in the central opening at the top. The top flange of the collar hooks behind the top edge of the opening and the collar is held in place by one acrow through its bettern flarge. Even though a range may not be originally equipped for chimney con nection, conversion in the field can be easily made by simply removing the one screw which attaches plate over fine opening in the body back and installing collar with same screw. Also a long plats (furnished with five col-lars ordered from factory) must be installed over the two central vant openings in the top of the body back so

as to divert the over exhaust away from the top and IMPORTANT: Patented flue cage carrying water cups or packed with steel wool, etc, should never be used or tolerated, as they might prove an obstruction of the vanillation necessary for the proper combustion in the own. DEPLACEMENT OF PANELS

through the chimney connection.

SERVICE POLICY: Porcelain enamel is ones it is therefore breakable like any ordinary place of gleasware. Before ranges leave the factory they are thereughly impected and are in A-1 condition when turned over to the transportable occupanies.

We carnot assume responsibility for damaged ename We carnot assume responsibility for unmaged and accordingly suggest that dealers (for self-protection) file claim locally with the delivering carrier for any according farmars that may show upon delivery. By following the control of the control of the control of the carrier for any according farmars that may show upon delivery. By following the control of the carrier for any carrier for the carrier for any carrier for the carr lowing this procedure, full recovery for the value of the parts involved may be obtained from the transportation

Credit cannot be allowed for chipped porceinin; therefore please do not return each parts to the factory as without appread of authorized factory representatives or written factory authority. In such case it is understood that returns will be made perpaid.

MAIN FRONT PANEL: The porcelain front is held in place by sight bolts—three at the top, three at the bot-tom and two located on either side of the thermostat. One is reached through the hole in the front of the broiler box on the left side; one through the left from top burner opening in the center of the range; on through the right top burner hole on the right hand side the range; one The two by the thermostat may be reached from the cablact compariment. The three bottom nuts are found one in the inside cabinet front, which can be reached in the cabinet compartment, and the other two in the cast oven front under the baffle plate is the oven. By leosen-ing the set screws of the griddle lift bandle, the broilet lift handle, the thermostat dial and handle, and the siz gas valve handles, these can be removed easily. The thumb plates can be removed singly by litting and pulling outward on them at the same time. The oven door heeper is taken off by inserving a long pia in the hole in the flat side and backing it off the threaded stad on which it is mounted.

END PANELS: The two porcelain end panels are inter-changeable. They can easily be taken off by loosening beingon buts in the bottom edge of each panel, pulling it out at the bottom, and letting it slide down from under the cooking top.

OUTSIDE OVEN DOOR PANEL: Remove the inside oven door lining by taking out the four bolts and asbestor entire amount of rock wool. The oven door handle block conver nameous of rock wood. Into over noor handle block is removed by taking out the three bolts, being careful not to lose the small sieves which fit between the door block and the cast iron door frame on the two top bolts, Remove four nots at the corport of the cast frame.

Imperiant! When replacing this panel and packing the rock weel in the door, the weel must be evenly and care-fully distributed for the proper retention of beat.

CABINET DOOR PANEL: First, release the two springs which are attached to the cabinet door hinge leaf, then remove the four bolts and sabestos washers from the inside cabinet door lising.

STANDARD TOP COVERS (11-B and 12-B): Release the two springs on the rear of the runge and remove the two bolts from each hings which hold them to the cooking top. The lop cover as a unit can then be recooking top. The top cover as a unit can then be re-moved. If necessary, the balustrade can be removed by taking out one small bolt at each end. Either half of the top cover can be dismartled by removing the small screws holding the reinforcements to the top cover, while the assembly is inverted upon some clean, smooth sur-

SILVERLITE TOP COVERS (14-8, 15-8 and 15-BFW); This top cover can be removed by taking out two belts in each of the three binges located in the back edge of the cooking top. Also, when necessary, disconnect courterbalance spring running from spring lever to top pilot shield.

SHAVERLITE BACK: All assembly bolts are visible and maily accessible for dismantling this back.

## CHANGEOVERS

When changing from natural gas to manufactured or mixed, or vice versa, it is only necessary to change all

When changing to bettind or bettane gas, the top borrors and delay rings must be replaced, and the position of the borners raised by adjustment of the upburner brackters. In TaTermovell and top borner places he changed and both Thermovell and top borner places in concepted and removed. All orifice agas must be disconnected and removed. All orifice agas must be place. The reverse is true when changing in some other gas from bottled or burner.

When installing fixed criffice cate for bottled or bottled gas a droy of sheline should be placed on the mixer pin to seal the cap in place and prevent leakage. Also, all joints, connections and gas cocks should be carefully reshecked for leaks.

## DISMANTLING OF ASSEMBLIES, ETC.

BODY BACK: The body back is hald in position by three holts in each corner angle, and two in the ember relatorement brackets at the top. COOKING TOP: Remove back assembly, also the body

COOKING TOF: Remove back assembly, also the body back. The porcelain main front pasal must be removed, as described elsewhere, size the left and panel. Take out all top burners, grates and drip rings; the Thermowell burner and grate; and the broller burner, pan, and grid-

The cooking top is shell in place by there hereare here both in the freet and two even base below the staeathers rear occurren. The shift from both can be such that the state of the state of the state of the below the state of the state of the state of the local through the shift freet houser specing; and the right is state of the state of the state of the state of the miner than including the toolsy of the top and Thermawish and the state of the state of the state of the while runs from the wave bankler but do manyer in the shall income the wave bankler but do sample in the shall income the state of the state of the state of the shall that it is the shift of the state and contact a the shall income the state of the state of the state of the state of that it at the front of the range must be withfrawers also

The brotler burner counterbalance spring must be disconnected by backing aff the not on the end of the spring cyc bolt at the eye bolt bracket. Take out one of the bolts holding the brailer burner shaft and spring retainer, releasing the spring so it can be taken out.

The complete top assembly can be moved straight back about four or we niche and lifted from the range. Be sure the breiler burner shaft is held in close to the breiler burner shaft is held in close to the breiler burner on tank on the left body and. If necessary, the body and can be pailed out a little to allow the each of this shaft to pass.

When removing the broiler box or Thermowell assembly, the top should be inverted on some clean, smooth surface.

Care of Cooking Tep: Anything spilled on the top when it is in use should be wriged off as secon as possible with a damp cloth. Do not use cold water if the top is lock. BROILER BOX: The broiler box can be removed from the top by taking out seven boller three or each side and cole at the front.

THERMOWELL UNIT: The Thermowell is held in place by three belts: two at the rear and one at the front. The Thermowell isside hull can be removed frees the outside bull by taking off the outside bottom and the damper.

OVEN DOOR: Remove oven door panel as described, above. This exposes the ends of the split rivets which compact the stop node to the cast over door frame as well as those by which the door frame is attacked to the inside cast oven front. Compress the split ends and withdraw the rivets, but do not let rod spring back through slot unit middle of rames.

OVEN DOOR SPEINGS: The springs can be withdrawn from the beak of the range after the body back has been returned to the range after the body back has been rounded to the result of the door stop rode. Remove these sites, pull the beasing out slightly until the spring can be reached, then withdraw the apring witness tetting the door stop rode. In the words we have a supplied to the spring witness tetting the door stop rode in the cast own france.

TOP PILOT: Disconnect the aluminum gas tube from the pelecek at the manifold, also remove the flash bush. Take out the two screws which hold the top pilet bracket to the cooking top, thus freeing the pilot ascendiby, of course, if the pilot is to be removed permanently, the petceck should be removed and the hole plugged.

THERMOWELL PILOT: Disconnect the aluminum gas tube from both the petocok and the lower end of the pilot head under the fibermowall. Restore look not from bettern end of pilot head so that head can be withdrawn from inside the well. The petocok should be taken off and the hole pingaged, if the pilot is relumoved permanently.

NOTE—If changeover to bottled gas is being made and range has pilot filter, remove both pilots and the pilot filter, plugging the hole in the manifold where the filter was inserted.

THERMOSTAT: The thermostat is held in place by one arrow which is easily accessible through the right from

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BROILER BUENNER: To remove the boolier burner after taking of the griddle, bosen the small set screw after taking of the griddle, bosen the small set acres che roise of the burner; and against the broiter shaft. Try the burner and the shaft against the broiter shaft. Try the burner and the shaft against small the pulse of the through the shaft. The burner can then be pulsed to be shaft of the mirror gias and out of the broiter box. The shaft of the single pulse of the broiter box. The mant be taken to see that the limit and of the broiter mant be taken to see that the limit and of the broiter mant is taken to see that the limit pulse of the broiter mant is taken to see that the burner and of the broiter mant be taken to see that the burner and of the broiter mant is taken to see that the burner and of the broiter mant be taken to see that the burner and the burner and the broiter and the burner and the burne

GRIDDLE: If the griddle plate does not appear to be level either before or after use, it can be easily leveled by hand by striking it diagonally across the edge of a table or bench while it is cold. When the griddle is replaced to the brether betroy, the two small set acress as plant touch the bottom of the plate, is which position they can be locked by the lock not previded. (See Chambers Cosk Book for further instructions on care of griddle.)

RACK RUNNERS: Each runner is held in place by only one bolt through the back flange. The front tange slope in behind the edge of the case iron lands own front. The head of the bolt holding the left runner in place can be reached by removing the left and panel. The head of the bolt holding the right rack runner in place is accessible from the cabinet compartment.

GRIDDLE LIFT HANDLE ADJUSTMENT: First, remove the left and panel. Adjustment of the griddle life handle can be made by loosening the lock must on the link so that the griddle lift handle hangs werthenly when the griddle in in the down position.

SPECIAL INSTRUCTIONS ON OVEN THERMOSTAT

It is rare to find a thermostat that is actually defective and when trouble is experienced, it is usually traceable to one of the following causes:

1. If the thermostat dial is binding on the front passed it will not cut off at lower temperatures. The set serve which holds the handle and dial in place should be located and the dial pulled straight out on the shaft nearly in the lenger binds. Tighten the set screw, being careful not to more the dial from it or original setting. 2. Dirt under the valve seat will prevent the thermostal from cutting down to by-pass. This can be remarked to removing the large hazagen and on the back of the thermostat which releases the valve spring and disch that the large hazagen and the spring and disch with a fire pictual removastable. Be sure that the spring and disk gw back in place exactly as they are removed.

removed.

2. By-pass and safety pilot adjustments can not be made too carefully according to instructions given in this sheet. Poor adjustment of either one does not give the most efficient and economical operation.

4. Improper calibration is most frequently the came of difficulty with the thermostat. While we make preliminary adjustments of the thermostat before the range lawns the factory, it should always be checked again at the time of installation scoreding to instructions given in

 Any damage to the capillary tube or bulk allowing the charge to escape makes the thermostet inoperative. This can city happen if the thermostat is mishandled by someone not realizing this.

tomeron for reatings that.

The unit should never be disassembled beyond the control of the state of the stat